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PMVK Human

Description:PMVK Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 212 amino acids (1-192 a.a.) and having a molecular mass of 24.1kDa. The PMVK is purified by proprietary chromatographic techniques.

Catalog #:PKPS-315

For research use only.

Synonyms: Phosphomevalonate kinase, PMKase, hPMK, PMVK, PMKI, PMK, PMKA, PMKASE, HUMPMKI.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MAPLGGAPRL VLLFSGKRKS GKDFVTEALQ SRLGADVCAV LRLSGPLKEQ YAQEHGLNFQ RLLDTSTYKE AFRKDMIRWG EEKRQADPGF FCRKIVEGIS QPIWLVSDTR RVSDIQWFRE AYGAVTQTVR VVALEQSRQQ RGWVFTPGVD DAESECGLDN FGDFDWVIEN HGVEQRLEEQ LENLIEFIRS RL.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:
The PMVK solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 7.5), 1mM DTT, 10% glycerol and 0.1M NaCl.

Stability:
PMVK should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
Phosphomevalonate kinase (PMVK) is a cytosolic enzyme. PMVK is expressed highly in the heart, liver, skeletal muscle, kidney and pancreas and slightly lower in the brain, placenta, and lung. PMVK catalyzes the conversion of mevalonate 5-phosphate into mevalonate 5-diphosphate in the fifth reaction of the cholesterol biosynthetic pathway. Induced by sterol, PMVK participates in isopentenyl diphosphate biosynthesis via the mevalonate pathway.

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